

# WEAR CHECK

Petrol Engine



Your specialist in Oil, Fuel, Grease & Coolant Analysis

<b>UNIT NO.</b>	338-IA	<b>DATE SAMPLED</b>	14-Jan-13	<b>COMPARTMENT NAME</b>	motul 7100
<b>UNIT MAKE</b>	Suzuki	<b>DATE RECEIVED</b>	14-Jan-13	<b>COMPARTMENT MAKE</b>	
<b>UNIT MODEL</b>	GSXR 750	<b>DATE REPORTED</b>	15-Jan-13	<b>COMPARTMENT MODEL</b>	
<b>UNIT SERIAL NO.</b>				<b>COMPARTMENT SERIAL NO.</b>	
<b>SYSTEM CAPACITY</b>	Ltrs			<b>MACHINE LOCATION</b>	Brisbane
<b>DATE SAMPLED</b>		14-Jan-13	14-Nov-12		
<b>SAMPLE NO.</b>		6336144	12818298		
<b>COMPONENT</b>	Hrs		73000		
<b>MACHINE</b>	Hrs		73000		
<b>OIL</b>	Hrs		3000		
<b>OIL MAKE</b>		Motul	Motul		
<b>OIL TYPE</b>		Motul 7100	Motul 7100		
<b>OIL GRADE</b>		10W40	10W40		
<b>OIL ADDED</b>	Ltrs				
<b>FILTER</b>	Hrs		3000		
<b>OIL CHANGED</b>			Not Changed		

**Metals (ppm)**

Aluminium (Al)	5	<1
Copper (Cu)	6	<1
Chromium (Cr)	<1	<1
Iron (Fe)	17	1
Lead (Pb)	2	<1
Tin (Sn)	1	<1
Nickel (Ni)	2	<1

**Contaminants and Additives (ppm)**

Silicon (Si)	30	17
Boron (B)	69	94
Sodium (Na)	5	2
Potassium (K)	1	<1
Phosphorus (P)	905	962
Molybdenum (Mo)	1	<1
Magnesium (Mg)	24	6
Calcium (Ca)	2265	2552
Zinc (Zn)	986	1053

**Physical Tests**

Water (%)	<0.1	<0.1
Nitration (Abs)	6.9	4.0
Viscosity (cSt,40°C)	80	91
PQ Index	<10	<10
Glycol (Abs)	<0.1	1.1
Petrol (% by Distillation)	--	--
Oxidation (Abs)	21.0	19.1

WC  
10002406544



**UIN 0302D98**

**DIAGNOSIS**

**Current Sample :**

All wear rates normal. Abrasive and other contaminant levels are acceptable. Viscosity within specified operating range.

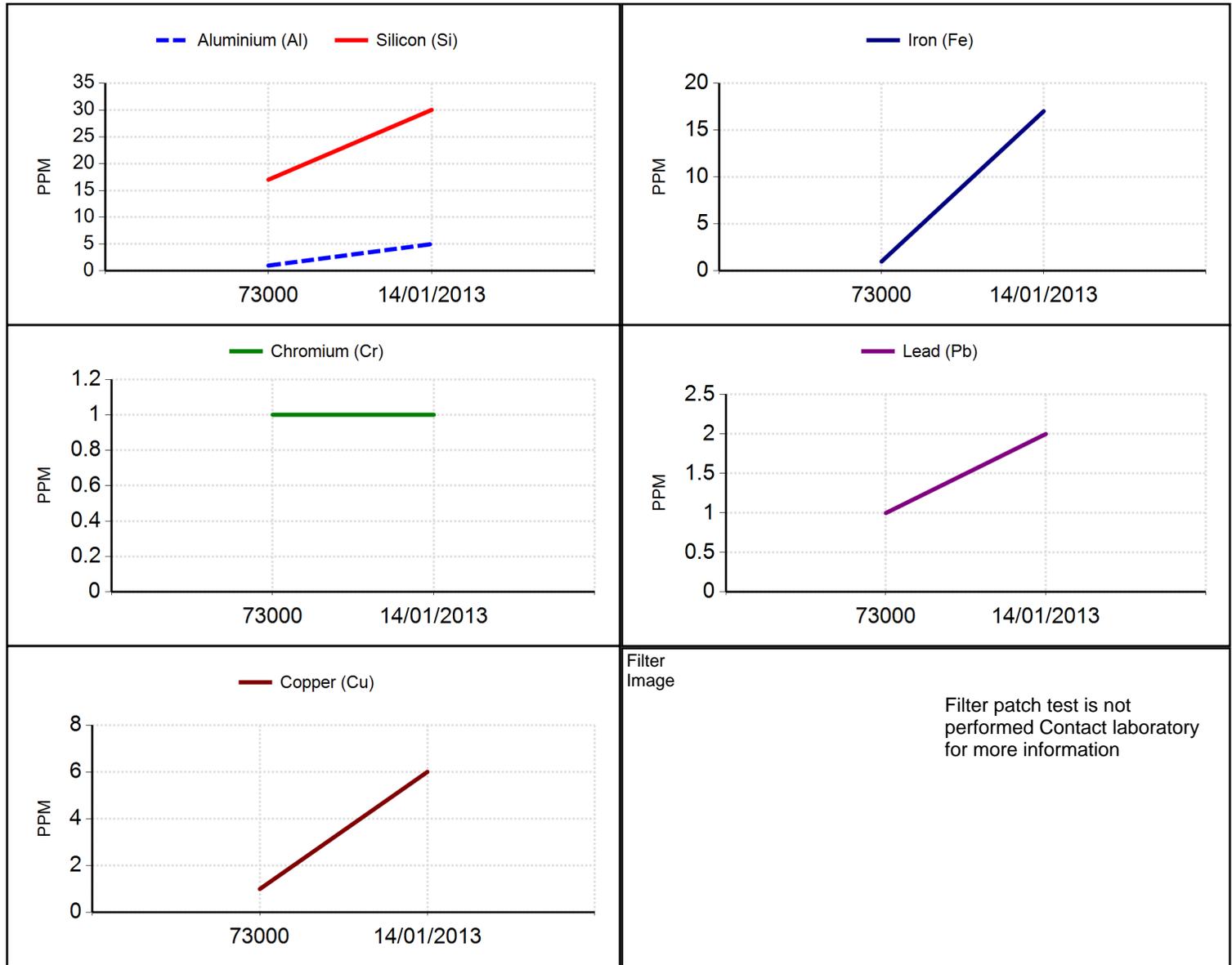
Action: Resample next service interval to further monitor.

Awaiting fuel dist test

**Last Sample :**

Results were obtained on the sample as received.

 <b>Normal</b>	 Severe
	 Abnormal
	 Caution
	 Normal



"This analysis report is dependent upon the accurate completion of the sample submission sheet and correct sampling techniques as advised. The analysis is intended as an aid only in predicting mechanical wear and should not be regarded as a substitute for proper servicing or mechanical inspection. The company does not accept any liability whatsoever in respect of any loss or damage (including loss of profits, economic or other consequential loss or damage) however caused which may arise directly, or indirectly, as a result of the matters referred to in this analysis report."

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